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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,041	03/22/2004	Darius D. Gaskins	CNTR.2215	9979
23669	7590	11/22/2006		
HUFFMAN LAW GROUP, P.C. 1900 MESA AVE. COLORADO SPRINGS, CO 80906			EXAMINER PATEL, ANAND B	
			ART UNIT 2116	PAPER NUMBER

DATE MAILED: 11/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/806,041	Applicant(s) GASKINS ET AL.	
	Examiner Anand Patel	Art Unit 2116	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 October 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-7,16-18 and 20-23 is/are pending in the application.
- 4a) Of the above claim(s) 4,8-15 and 19 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5-7 and 16-18 is/are rejected.
- 7) ☒ Claim(s) 20-23 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Response to the Restriction Requirement filed 10/4/06 has been entered and as such Group I is elected and claims 9-15 are withdrawn. Response to the Election of Species Requirement was incomplete. Richard Huffman, the attorney of record, elected Group A, Species 1 and Group B, Species 1 in a call placed on 11/2/06.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-3, 5-7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- As per claim 1, the phrase “power control logic comprising: a plurality of stop signals” is unclear. Examiner is unsure of how a physical device contains signals. It appears as though the logic contains circuitry that can receive, generate, or forward the stop signals. Applicant is advised to rewrite the claim specifying how the power control logic and the plurality of stop signals are related on a physical level. Examination of this claim is precluded.
- As per claims 3, 5-7, these claims are rejected by virtue of their dependencies.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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5. Claim 16 is rejected under 35 U.S.C. 102(b) as being anticipated by US Patent No 5724591 to Hara et al (Hara).

- As per claim 16, Hara discloses a method for providing measured power transitions in a computing device, the method comprising:
 - Determining if the computing device is to enter a low power state (column 5, line 41 – column 6, line 16; 803); and
 - Sequentially stopping clock signals (column 6, lines 16-22, 23-29; 807-809) that are coupled to each of a plurality of sector logic elements (figure 1, processor units).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hara in view of US Patent No 4835728 to Si et al (Si).

- As per claim 17, Hara discloses the method wherein said sequentially stopping comprises via each of a plurality of stop signals (inherent given column 6, lines 16-22, 23-29; 807-809) coupled to each of the plurality of sector logic elements (figure 1, processor units), indicating that a corresponding one of the clock signals be stopped (column 6, lines 16-22; 807-809). Hara fails to disclose wherein the clock signals are stopped after a programmable number of clock cycles have transpired. Si teaches wherein the clock signals are stopped after a programmable number of clock cycles have transpired (column 4, lines 9-13; column 6, lines 29-33). An advantage of the system taught by Si is the ability to analyze more easily the state of a malfunctioning system (column 4, lines

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2-13). It would have been obvious to one of ordinary skill in the art at the time of invention to modify Hara with the delayed stop clock signals as taught by Si. Motivation to modify is to improve debugging practice.

- As per claim 18, Si teaches wherein said indicating comprises establishing the programmable number of clock cycles for the each of the plurality of stop signals (column 6, lines 15-24; the delay for each stop signal corresponds to the system clock to which the unit is attached).

Allowable Subject Matter

8. Claims 20-23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Prior art fails to disclose or suggest providing a programmable number of clock cycles that are to transpire between said stopping of the clock signals.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- US Patent No 6115763 to Douskey et al teaches stopping clocks in a system over successive clock cycles.

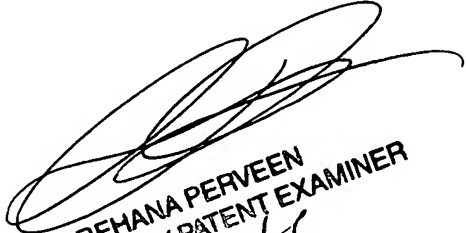
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anand Patel whose telephone number is (571) 272-7211. The examiner can normally be reached on Mon-Fri 8AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Perveen can be reached on (571) 272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ABP



REHANA PERVEEN
SUPERVISORY PATENT EXAMINER
11/20/06